



# **Mobile Digital Video Transmission System JM-LW**

## **User Manual**

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# Basic

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## JM-LW



## Accessories

Kit Pack



VGA & USB Adapter



Vehicle Charger



Power Adapter



GPS Receiver



RCA Connector



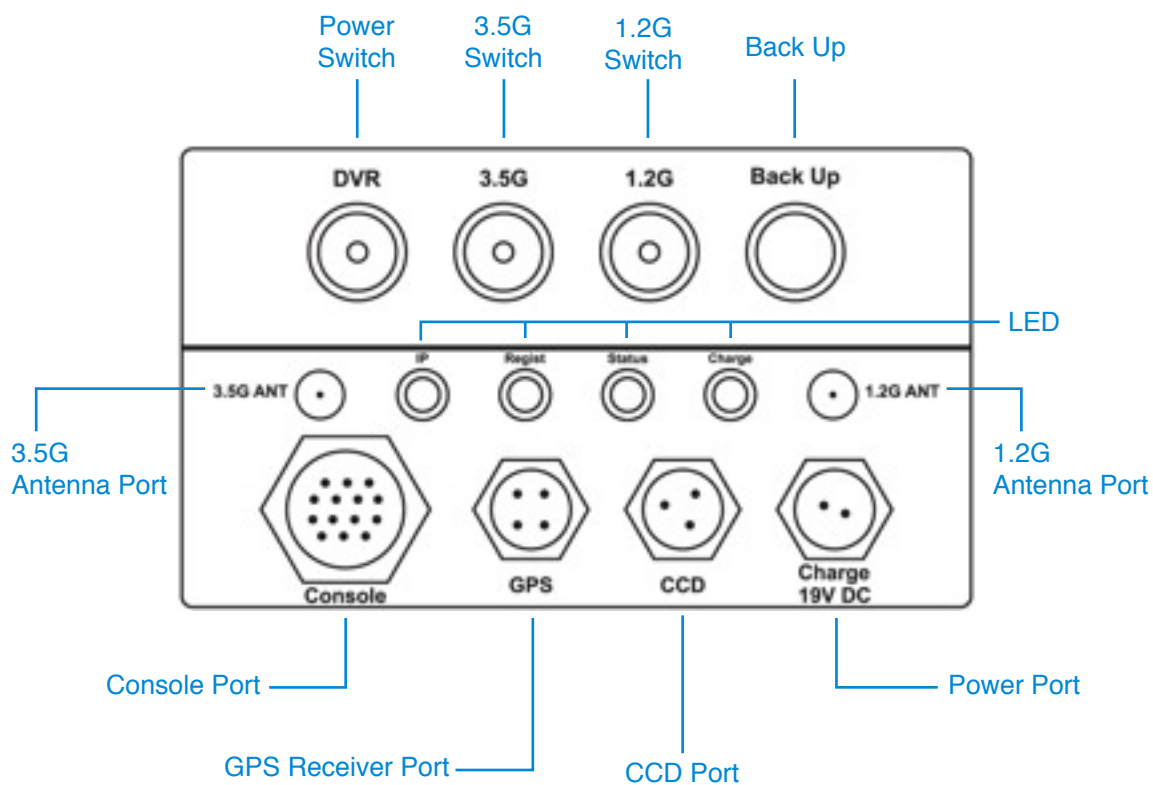
1.2G Antenna



3G Antenna



## Features



<b>DVR</b>	JM-LW power switch
<b>3.5G</b>	3.5G network switch
<b>1.2G</b>	1.2G radio switch
<b>Back Up</b>	Back up video and GPS data
<b>IP</b>	ON: connected to the internet ; OFF: disconnected from the internet
<b>Regist</b>	ON: connected to the server ; OFF: disconnected from the server
<b>Status</b>	if the LED is on/off/irregularly flashes, please check the system
<b>Charge</b>	ON: charging ; OFF: charge complete
<b>3.5G ANT</b>	3.5G antenna port
<b>1.2G ANT</b>	1.2G antenna port
<b>Console</b>	USB & VGA adapter connection port
<b>GPS</b>	GPS receiver connection port
<b>CCD</b>	Video camera connection port
<b>Charge 19V DC</b>	Power adapter/vehicle charger connection port

## Specification

<b>Dimensions</b> 222x146x85 mm	<b>AC Power</b> 110V/220V > 19V	<b>REC. Frame Rate</b> 30 fps	<b>Transmission Frequency</b> 3 to 30 fps
<b>Weight</b> 2.7 kg	<b>Battery</b> 12V 7800mA	<b>Codec Format</b> MPEG4 / M-JPEG	<b>Ingress Protection Rating</b> IP65
<b>I/O Interface</b> CIR656, GPIO	<b>Storage</b> Compact Flash	<b>Resolution</b> QVGA 320 x 240 VGA 640 x 480	<b>Operating Requirements</b> Temperature: -10 to 60 °C Humidity: 10% to 90%

## Instruction

### Setting Up and Using JM-LW

*Step 1: Plug in the 3.5G antenna*

*Step 2: Connect the video camera via RCA connector*

*Step 3: Press DVR Button to turn on JM-LW*

*Step 4: Press 3.5G Button to enable 3.5G network*

*Step 5: Press 1.2G Button to enable 1.2G radio*

**important:** To ensure the capability and quality of the connection between the camera and , we strongly recommend using the cameras that provide by JCALLY. To get more information about wireless portable cameras, please visit [www.jcally.com](http://www.jcally.com).

### Back Up Video and GPS Data

*Step 1: Connect the VGA & USB adapter*

*Step 2: Plug in USB storage devices*

*Step 3: Press Back Up Button to back up datas into the USB storage device*

**Note:** When backing up, the status LED light with flash rapidly. Wait for the flash to become normal to finish the backup process.

# Preference Setup

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## Controls and Icons

: Enter the current selection / Activate the setup menu

: Exit

: Move the selection

: Adjust value

: Save and exit       : Exit without saving

## Home Screen

Main Menu	
<input type="button" value="LIVE"/>	Live images / Camera setup
<input type="button" value="HISTORY"/>	Playback
<input type="button" value="EVENT"/>	Event logs
<input type="button" value="NETWORK"/>	Network setup
<input type="button" value="SETUP"/>	System setup
<input type="button" value="LOG OUT"/>	Log out / Shut down
<input type="button" value="STATUS"/>	System status
<input type="button" value="DATE/TIME"/>	Date/Time setup
<input type="button" value="DIGITAL I/O"/>	Digital I/O setup

**LIVE** - View live videos / Camera Setup

**HISTORY** - Play history records

**EVENT** - View event logs

**NETWORK** - Network preference setup

**SETUP** - System preference setup

**LOG OUT** - Log out / shut down

**STATUS** - View system status

**DATE/TIME** - Date / time setup

**DIGITAL I/O** - Digital input / output setup

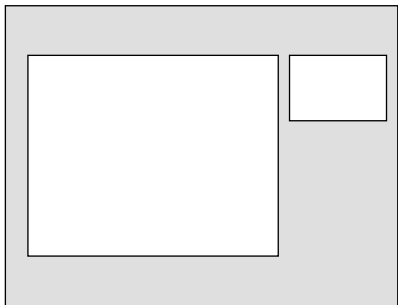
# LIVE

## Live Video

After entered LIVE, you will see the live video in single frame or several videos in split frames like below:



## Focus mode



## Maximized mode



## Camera Setup

Select a camera and press **Enter** to activate the setup menu and adjust the preferences of the selected camera.

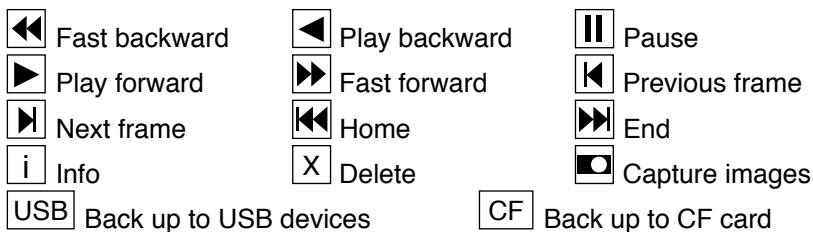
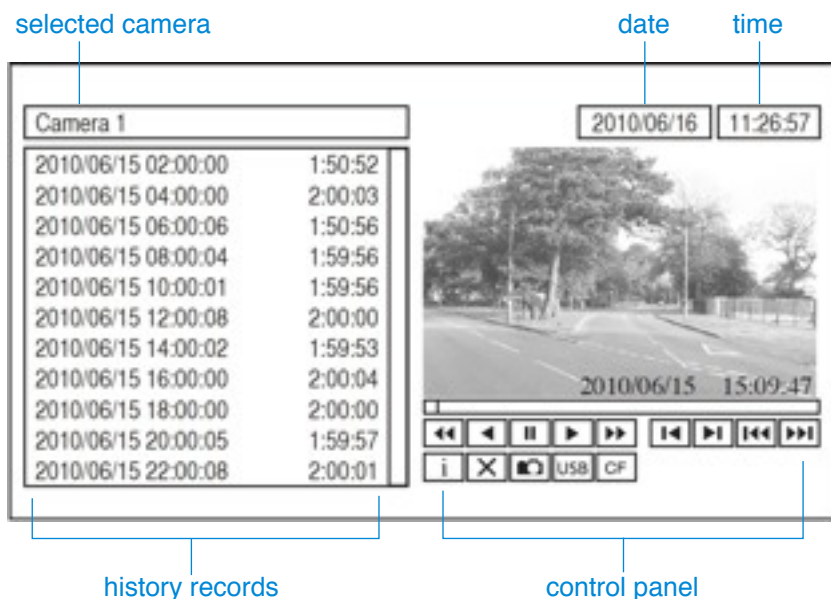
Open/Hide Cameras	Show/hide the selected camera
Open All	Show all cameras

Hide All	<i>Hide all cameras</i>
Record Continuously	<i>Start/stop continuously recording</i>
Record Motion	<i>Start/stop motion detection recording</i>
Stop Recording	<i>Stop recording from the selected camera</i>
Record All	<i>All cameras start recording</i>
Stop Recording All	<i>All cameras stop recording</i>
Video Recording Quality	<i>Set video recording quality</i>
Cont. Recording F.R.	<i>Set continuously recording frame rate</i>
On Motion Recording F.R.	<i>Set recording frame rate when motion detection is activated and triggered</i>
No Motion Recording F.R.	<i>Set recording frame rate when motion detection is activated but no motion detected</i>
Alarm Recording F.R.	<i>Set recording frame rate when alarm is triggered</i>
Pre Record	<i>Set pre record time</i>
Post Record	<i>Set post record time</i>
M.D. Trigger Threshold	<i>Set motion detection trigger threshold</i>
M.D. Noise Filter	<i>Set motion detection noise filter</i>
Apply To All	<i>Apply settings to all cameras</i>
Hue	<i>Adjust video hue</i>
Contrast	<i>Adjust video contrast</i>
U Saturation	<i>Adjust video chrominance</i>
V Saturation	<i>Adjust video chroma</i>
Brightness	<i>Adjust video brightness</i>
Volume	<i>Adjust video volume</i>
Recall Hardware Default	<i>Recall default settings</i>
Record Audio	<i>Enable/disable record audio</i>
Arrange Mode	<i>Set display arrangement</i>
Auto Scale View	<i>Enable/disable auto scaling frame to fit the screen</i>
Auto Sequence	<i>Enable/disable auto sequence switching between cameras</i>



## History

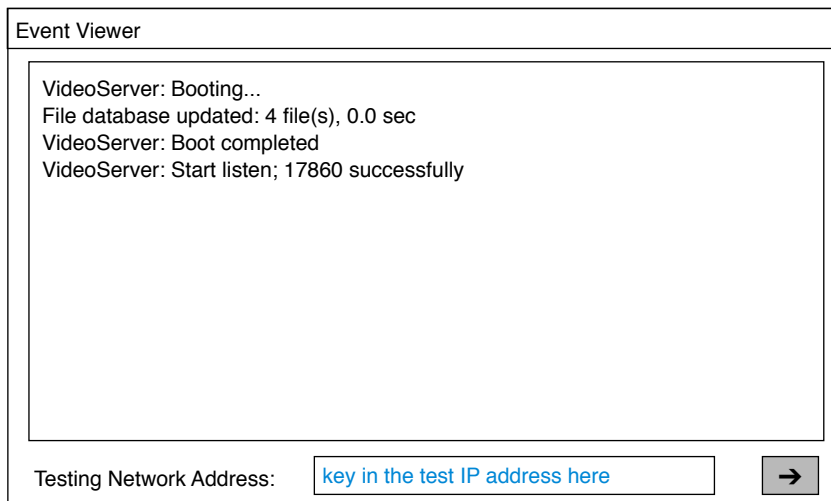
Play video records from the built-in memory.



**Note:** GPS information only shows in primary camera (camera 1)

## EVENT

View event logs and test network connection — Event logs includes video camera connection history, login history, IP address, video recording mode, HDD status, DI/DO status, and video backup records. Users can also test network connections by keying in the test IP address in the field, and select then press .



# NET WORK

Host Name/ID:	<input type="text" value="JM-LW01"/>			①
Host Description:	<input type="text"/>			
IP Obtain Type:	<input type="text" value="Static"/>			
IP Address:	<input type="text" value="192.168. 0.100"/>			②
Net Mask:	<input type="text" value="255.255.255. 0"/>			
Default Gateway:	<input type="text" value="192.168. 0. 1"/>			
DNS Address:	<input type="text" value="0. 0. 0. 0"/>			
Dial Up Service:	<input type="text" value="Disable"/>			
TEL:	<input type="text" value="*99#"/>			⑥
APN / User Name:	<input type="text" value="internet"/>			
Password:	<input type="text"/>			
Local Port No:	<input type="text" value="17860"/>			③
Name Server Register:	<input type="text" value="Enable"/>			④
Address:	<input type="text"/>			⑤
<input type="button" value="O"/> <input type="button" value="X"/>				

1. Registered host name/ID
2. 3G router network setup
3. Server connection port
4. Connect to the server
5. Server IP address
6. Internet connection

## SETUP

Modify system preference (videos, sounds, alarms, languages, etc.)

## LOG OUT

Log in with a different account to access the system.

## STATUS

System Status	
PDVR 1.4.2 (Oct 29, 2005) Logged in User: Admin  Alarm Status: Normal Total Capacity: Free Space: 36%, 10.90 GB Total Video File(s): 4  <div> <div>30.0GB</div> <div>HDD2</div> <div>HDD3</div> <div>HDD4</div> </div> <div> <div>I I I I</div> <div>O O O O</div> </div>	LAN IP = 0.0.0.0 Dial Up: No Service  Name Server: Disable  Download: 0 Byte(s) Upload: 0 Byte(s) Total Download: 0.0 KB Total Upload: 0.0 KB Client Connection: 0  Date: _____ UTC: Status: Out of Signal Satellite Count: Latitude: Longitude: Speed: Course: _____

1. System status
2. Digital Input / output
3. Network connection
4. GPS status

# DATE/TIME

Set up system date and time

Date / Time Setup

System Date (YYYY/MM/DD):

2010/04/21

System Time (HH:MM:SS):

18:49:19

O

X

# DIGITAL I/O

Digital input / output information.

Digital I/O Setup

DI 1:

O

X

DI 2:

DI 3:

DI 4: